

INTERNATIONAL SEARCH REPORT

International Application No
T/EP 95/04109

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C07K16/28 A61K39/395

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP,A,0 205 405 (CIBA-GEIGY AG) 17 December 1986 see the whole document ---	1,2,4-6, 8,9,11, 13,15, 19,20
X	THE JOURNAL OF INVESTIGATIVE DERMATOLOGY, vol. 102, no. 3, March 1994 NEW YORK, NY, USA, pages 321-327, N. ISHII ET AL. 'DNFB contact sensitivity (CS) in BALB/c and C3H/He mice: Requirement for early-occurring, early-acting, antigen-specific, CS-initiating cells with an unusual phenotype....etc.' see the whole document --- -/--	1,2,4-6, 8,9,11, 13,15, 19,20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

22 January 1996

Date of mailing of the international search report

21.03.96

Name and mailing address of the ISA

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PC./EP 95/04109

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SCIENCE, vol. 261, 20 August 1993 WASHINGTON, DC, USA, pages 1038-1041, L. FLORES-ROMO ET AL. 'Inhibition of an in vivo antigen-specific IgE response by antibodies to CD23.' cited in the application see the whole document ---	1,2,4-6, 8,9,11, 13,15, 19,20
X	EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 23, no. 7, July 1993 WEINHEIM, GERMANY, pages 1739-1742, B. HEYMAN ET AL. 'In vivo enhancement of the specific antibody response via the low-affinity receptor for IgE.' see the whole document ---	1,2,4-6, 8,9,11, 13,15, 19,20
A	THE JOURNAL OF EXPERIMENTAL MEDICINE, vol. 176, no. 2, 1 August 1992 NEW YORK, NY, USA, pages 389-397, S. POCHON ET AL. 'Demonstration of a second ligand for the low affinity receptor for immunoglobulin E (CD23) using recombinant CD23 reconstituted into fluorescent liposomes.' cited in the application see abstract see page 390, left column, line 19 - line 31 see page 391, right column, line 12 - line 25 ---	1,2, 4-13,15, 19,20
A	WO,A,93 02108 (IDEC PHARMACEUTICALS CORPORATION) 4 February 1993 cited in the application see claims ---	1-20
A	WO,A,87 07302 (LABORATOIRES UNICET) 3 December 1987 see claims ---	1-20
A	THE JOURNAL OF IMMUNOLOGY, vol. 138, no. 6, 15 March 1987 BALTIMORE, MD, USA, pages 1845-1851, M. RAO ET AL. 'Characterization of a monoclonal antibody directed against the murine B lymphocyte receptor for IgE.' cited in the applicati n see abstract ---	1-20

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	THE JOURNAL OF IMMUNOLOGY, vol. 138, no. 9, 1 May 1987 BALTIMORE, MD, USA, pages 2970-2978, J-Y. BONNEFOY ET AL. 'Production and characterization of a monoclonal antibody specific for the human lymphocyte low affinity receptor for IgE: CD23 is a low affinity receptor for IgE.' see abstract ---	1-20
P,X	NATURE MEDICINE, vol. 1, no. 8, August 1995 NEW YORK, NY, USA, pages 781-785, C. PLATER-ZYBERK ET AL. 'Marked amelioration of established collagen-induced arthritis by treatment with antibodies to CD23 in vivo.' see the whole document ---	1,2, 4-13,15, 19,20
P,X	IMMUNITY, vol. 3, no. 1, July 1995 USA, pages 119-125, S. LECOANET-HENCHOZ ET AL. 'CD23 regulates monocyte activation through a novel interaction with the adhesion molecules CD11b-CD18 and CD11c-CD18.' see page 123, right column, line 3 - line 14 ---	1,2, 4-13,15, 19,20
P,X	EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 24, no. 12, December 1994 WEINHEIM, GERMANY, pages 2982-2986, I. GROSJEAN ET AL. 'CD23/CD21 interaction is required for presentation of soluble protein antigen by lymphoblastoid B cell lines to specific CD4+ T cell clones.' see the whole document -----	1,2,5-9, 11,13, 15,19,20

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 20
because they relate to subject matter not required to be searched by this Authority, namely:
Remark: Although claim 20 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition/compound.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP-A-205405	17-12-86	DE-D-	3689734	28-04-94
		DE-T-	3689734	21-07-94
		IE-B-	61820	30-11-94
		JP-B-	7107079	15-11-95
		JP-A-	61289100	19-12-86
		US-A-	4946788	07-08-90

WO-A-9302108	04-02-93	AP-A-	307	31-01-94
		AU-B-	2425592	23-02-93
		BG-A-	98411	28-02-95
		BR-A-	9206313	11-04-95
		CA-A-	2114015	04-02-93
		CZ-A-	9400149	13-07-94
		EP-A-	0605442	13-07-94
		FI-A-	940336	10-03-94
		HU-A-	70272	28-09-95
		JP-T-	6509708	02-11-94
		NO-A-	940219	25-03-94
		NZ-A-	243706	26-08-94
		OA-A-	9879	15-09-94
		PT-A-	100735	29-10-93
		SK-A-	8894	07-09-94

WO-A-8707302	03-12-87	FR-A-	2599513	04-12-87
		DE-A-	3775182	23-01-92
		EP-A, B	0269728	08-06-88
		JP-T-	1500564	01-03-89
